

# Notice of Allowability

Application No.

10/524,852

Examiner

Marisol Figueroa

Applicant(s)

HAMANAGA ET AL.

Art Unit

2617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to response filed on 6/8/2007.
2. ☒ The allowed claim(s) is/are 1, 5- 10, 12, 13, and 15 (renumbered as 1, 3, 7, 4, 5, 6, 8, 9, 10, and 2, respectively).
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All b) ☐ Some\* c) ☐ None of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

## DETAILED ACTION

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

2. Authorization for this examiner's amendment was given in a telephone interview with David M. Ovedovitz on 07/31/2007.

3. The application has been amended as follows:

Claim 1 (**Currently Amended**) A mobile terminal having a communication function, the mobile terminal comprising:

a detection section ~~operable~~ configured to detect an incoming or outgoing phone call; an information acquisition section ~~operable~~ to acquire related information concerning an incoming or outgoing phone call in response to detection of the incoming or outgoing phone call by the detection section;

a device section ~~operable~~ configured to acquire environment information in response to detection of the incoming or outgoing phone call by the detection section, the environmental information being at least one of a still image of surroundings of the mobile terminal acquired with a camera, moving pictures of the surroundings of the mobile terminal acquired with a camera, sounds and soundscape of the surroundings of the mobile terminal acquired with a microphone, a channel which is being viewed in the mobile terminal acquired with an internal

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television tuner, and open/close information concerning at least one of a state of folding, rotating, and sliding of the mobile terminal acquired by the information acquisition section;

a history generation section ~~operable~~ configured to generate history information in which the related information acquired by the information acquisition section and the environment information acquired by the device section are kept in association with at least a telephone number of the incoming or outgoing phone call as a piece of the history information;

a history storing section ~~operable~~ configured to store the history information generated by the history generation section; and

a history notification section ~~operable~~ configured to notify a user of the mobile terminal of the related information and the environment information contained in the piece of the history information, in response to an incoming or outgoing phone call from or to the telephone number contained in the piece of the history information stored in the history storing section.

Claim 5 (**Currently Amended**) The mobile terminal according to claim 15, wherein, the history storing section is further ~~operable~~ configured to store information indicating whether or not the telephone number contained in the piece of the history information has been redialed, and at a time of the incoming or outgoing phone call, the history notification section is ~~operable~~ configured to notify the user of the answering message associated with the piece of the history information containing the telephone number only if the telephone number has not yet been redialed.

Claim 6 (**Currently Amended**) The mobile terminal according to claim 15, wherein, the message storing section is further ~~operable~~ configured to store alarm information specifying a

time at which to notify with an alarm in connection with the answering message, and the history notification section is ~~operable~~ configured to notify the user of the answering message associated with the piece of the history information which has reached the time specified by the alarm information.

Claim 7 (**Currently Amended**) The mobile terminal according to claim 5, wherein, the message storing section is further ~~operable~~ configured to store alarm information specifying a time at which to notify with an alarm in connection with the answering message, and the history notification section is ~~operable~~ configured to notify the user of the answering message associated with the piece of the history information which contains the telephone number that has not yet been redialed and which has reached the time specified by the alarm information.

Claim 8 (**Currently Amended**) The mobile terminal according to claim 5, wherein, if a number of pieces of the history information stored in the history storing section exceeds a predetermined maximum number, the history notification section is ~~operable~~ configured to automatically delete a piece of the history information which contains an already redialed telephone number and which has an oldest time of reception/calling.

Claim 9 (**Currently Amended**) The mobile terminal according to claim 5, wherein, when a piece of the history information which contains a telephone number that has not yet been redialed is nominated for deletion, the history notification section is ~~operable~~ configured to present a message to the user to seek an approval to delete the piece of the history information.

Claim 11 (**Cancelled**)

Claim 12 (Currently Amended) A ~~medium having recorded thereon~~ computer-readable medium encoded with a computer-readable program for causing a mobile terminal to perform an incoming/outgoing call history management method for managing an incoming/outgoing call history of the mobile terminal,

the program causing the mobile terminal to execute:

detecting an incoming or outgoing phone call from or to another mobile terminal;

acquiring related information concerning an incoming or outgoing phone call in response to detection of the incoming or outgoing phone call;

acquiring environment in response to detection of the incoming or outgoing phone call, the environmental information being at least one of a still image of surroundings of the mobile terminal acquired with a camera, moving pictures of the surroundings of the mobile terminal acquired with a camera, sounds and soundscape of the surroundings of the mobile terminal acquired with a microphone, a channel which is being viewed in the mobile terminal acquired with an internal television tuner, and open/close information concerning at least one of a state of folding, rotating, and sliding of the mobile terminal acquired by the acquisition of the related information;

~~a generating source code segment for~~ generating history information in which the related information and the environment information are kept in association with at least a telephone number of the incoming or outgoing phone call as a piece of the history information;

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~~a storing source code segment~~ for storing the generated history information; and  
~~a notifying source code segment~~ for notifying a user of the mobile terminal of the related information and the environment information contained in the piece of the history information, in response to an incoming or outgoing phone call from or to the telephone number contained in the piece of the stored history information.

Claim 13 (**Currently Amended**) An integrated circuit for a mobile terminal having a communication function, the integrated circuit comprising circuitry functioning as:

a detection section ~~operable~~ configured to detect an incoming or outgoing phone call;  
an information acquisition section ~~operable~~ configured to acquire related information concerning an incoming or outgoing phone call in response to detection of the incoming or outgoing phone call by the detection section;

a device section ~~operable~~ configured to acquire environment information in response to detection of the incoming or outgoing phone call by the detection section, the environmental information being at least one of a still image of surroundings of the mobile terminal acquired with a camera, moving pictures of the surroundings of the mobile terminal acquired with a camera, sounds and soundscape of the surroundings of the mobile terminal acquired with a microphone, a channel which is being viewed in the mobile terminal acquired with an internal television tuner, and open/close information concerning at least one of a state of folding, rotating, and sliding of the mobile terminal acquired by the information acquisition section;

a history generation section ~~operable~~ configured to generate history information in which the related information acquired by the information acquisition section and the environment

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information acquired by the device section are kept in association with at least a telephone number of the incoming or outgoing phone call as a piece of the history information;

a history storing section ~~operable~~ configured to store the history information generated by the history generation section; and

a history notification section ~~operable~~ configured to notify to a user of the mobile terminal of the related information and the environment information contained in the piece of the history information, in response to an incoming or outgoing phone call from or to the telephone number contained in the piece of the history information stored in the history storing section.

Claim 15 (**Currently Amended**) The mobile terminal according to claim 1, further comprising a message storing section ~~operable~~ configured to store a plurality of answering messages, wherein,

the information acquisition section is ~~operable~~ configured to acquire from the message storing section an answering message used to answer the incoming phone call as the related information, and

the history storing section is ~~operable~~ configured to store the answering message acquired by the information acquisition section in association with the telephone number of the incoming phone call.

#### ***Reasons for Allowance***

4. Claims 1, 5-10, 12, 13, and 15 (*renumbered as 1, 3, 7, 4, 5,6, 8, 9, 10, and 2, respectively*) are allowed.

5. The following is an examiner's statement of reasons for allowance:

Claims 1, 10, 12, and 13 are allowed because the closest prior art, HAMADA et al. (US 6,980,794) and MAGUIRE et al. (US 2005/0130631), either singularly or in combination, fails to anticipate or render obvious the features of wherein the detection section of the mobile terminal is configured to acquire environment information in response to detection of an incoming or outgoing phone call, the environment information being at least one of a still image of surroundings of the mobile terminal acquired with a camera, moving pictures of the surroundings of the mobile terminal acquired with a camera, sounds and soundscape of the surroundings of the mobile terminal acquired with a microphone, a channel which is being viewed in the mobile terminal acquired with an internal television tuner, and open/close information concerning at least one of a state of folding, rotating, and generate history information in which the environment information acquired by the device section are kept in association with at least a telephone number of the incoming or outgoing call as a piece of history information.

Claims 5-10 and 15 are allowed as being dependent upon independent claims that have been allowed.

6. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

***Prior Art of Record***

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

(a) STRUBBE et al. (US 6,681,004) - Telephone memory aid.



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(b) SILVESTER (US 2003/0112332) – Method and apparatus for associating multimedia information with location information.

(c) SHIMAMURA et al. (US 2003/0153372) – Folding portable information terminal.

(d) ISONO (US 5,959,661) – TV telephone terminal.

(e) SAITO (JP 2005-012296) – Cellular phone terminal with camera.

### *Conclusion*

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marisol Figueroa whose telephone number is (571) 272-7840. The examiner can normally be reached on Monday Thru Friday 8:30 a.m. - 5:00 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lester G. Kincaid can be reached on (571) 272-7922. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

  
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LESTER G. KINCAID  
SUPERVISORY PRIMARY EXAMINER